Bangalore West City Corporation-
Malleshwaram Zone

TENDER DOCUMENT – KW4

(WORKS COSTING MORE THAN Rs. 100 LAKHS)

Name of the Work: Additional Development work of Karisandra Hospital development of Sri Siddi Vinayaka Vyayama Shale and other development of roads drains and other allied works in ward no 161,165,166 & 183 Pertaining to Yediyur Division (Comprising of 9 Works in G.O. BWCC Sl. No. 81,82,83,84,85,86,94,105 & 106) PACKAGE YDR-03.

BENGALURU WEST CITY CORPORATION

Office of the Executive Engineer, Yediyur Division,
4th Cross, Jayanagara 7th Block, Bengaluru-560 070.
e-mail: eeyediyurdivision@gmail.com

TENDERS FOR THE WORK OF

Additional Development work of Karisandra Hospital development of Sri Siddi Vinayaka Vyayama Shale and other development of roads drains and other allied works in ward no 161,165,166 & 183 Pertaining to Yediyur Division (Comprising of 9 Works in G.O. BWCC Sl. No. 81,82,83,84,85,86,94,105 & 106) PACKAGE YDR-03.

Tender Reference		EE(YD)/TEND/ **01**/2025-26
Last Date and Time for Receipt of Tenders	:	On **28.11.2025** upto **17.30** Hrs
Time and Date of Opening of Cover One of Tenders	:	On **29.11.2025** at **17.30** Hrs
Place of Opening of Cover One of Tenders	:	Office of the Executive Engineer, Yediyur Division, 4th Cross, Jayanagara 7th Block, Bengaluru-560 070.
Time And Date of Opening of Cover Two of Tenders	:	Will be intimated to the Qualified Tenderers
Place of Opening of	:	Will be intimated to the Qualified

Cover Two of Tenders		Tenderers
Address for Communication	:	Office of the Executive Engineer, Yediyur Division, 4th Cross, Jayanagara 7th Block, Bengaluru-560 070.
EMAIL	:	eeyediyurdivision@gmail.com

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BENGALURU WEST CITY CORPORATION

Office of the Executive Engineer, Yediyur Division,
4th Cross, Jayanagara 7th Block, Bengaluru-560 070.
e-mail: eeyediyurdivision@gmail.com

No: EE(YD)/TEND/ **01**/2025-26 Date: **10.11.2025**

SHORT TERM TENDER NOTIFICATION
(TWO TENDER DOCUMENT SYSTEM)

(Through **GOK Karnataka Public Procurement Portal** only)

1. The Executive Engineer, Yediyur Division, BWCC invites standard tender documents KW-4 on behalf of the Commissioner, BWCC, Bengaluru from eligible Tenderers registered in BBMP or equivalent registration with PWD/CPWD or any state Governmental Organization for the execution of works detailed in the table below. The tenderers may submit tenders for works given in the table through KPPP portal of the Government of Karnataka (viz https://kppp.karnataka.gov.in)

2. Tender documents may be downloaded from the new KPPP portal of the Government of Karnataka.

3. Tenders must be accompanied by Earnest Money Deposit specified for the work in the table below. Earnest money deposit will have to be in

any one of the forms as specified in the Tender document and shall have to be valid for 90 days beyond the validity of the tender.

4. Tenders must be submitted online through KPPP on or before as per calendar of events and the opening of tenders will be as per the KPPP guidelines.
5. Other details can be seen in the tender documents.

Sl. No.	Name of the Work	Approximate value of work (Rs. in Lakh)	EMD Rs.	Cost of Tender form in Rs. (Non-Refundable) inclusive of GST	Stipulated Period
1	**Development works for Multipurpose Building, Improvements to Chaithanya Vana Park, Additional development works for Skating Rink, Comprehensive development of roads, Drains and Other Allied works in Ward No.166-Karisandra and 167-Yediyur Pertaining to Yediyur Division(Comprising of 9 Works in G.O.BWCC Sl.No.92,93,95,96,97,98,99,100 & 101) PACKAGE YDR-01**	**808.00**	Rs.5.00 Lakh through online payment & Rs.7.12 Lakh through BG	As per Karnataka Public Procurement Portal	11 Months
2	**Additional development work of Banashankari Hospital and other development works in surrounding area comprehensive development of roads, Drains and other allied works in ward no 161, Hosakerehalli, 165 Ganesha Mandira and 183 Chikkalasandra Pertaining to Yediyur Division (Comprising of 10 Works in G.O. BWCC Sl. No. 79,80,87,88,89,90,91,102,103 & 104) PACKAGE YDR-02.**	**807.90**	Rs.5.00 Lakh through online payment & Rs.7.12 Lakh through BG	As per Karnataka Public Procurement Portal	11 Months
3	**Additional Development work of Karisandra Hospital development of Sri Siddi Vinayaka Vyayama Shale and other development of roads drains and other allied works in ward no 161,165,166 & 183 Pertaining to Yediyur Division (Comprising of 9 Works in G.O. BWCC Sl. No. 81,82,83,84,85,86,94,105 & 106) PACKAGE YDR--03.**	**809.55**	Rs.5.00 Lakh through online payment & Rs.7.15 Lakh through BG	As per Karnataka Public Procurement Portal	11 Months

Time Schedule/Calendar of events:

1	Tender documents may be downloaded from the e-procurement portal	:	From 21.11.2025 15.30 Hrs Onwards

2	Last Date & Time for uploading tender documents	:	On 28.11.2025 upto 17:30 Hrs
3	Pre-Bid Meeting	:	On 24.11.2025 at 16.00 Hrs
4	Opening of technical document	:	On 29.11.2025 at 17.30 Hrs
5	Financial opening	:	Opening date will be intimated through KPP Portal

NOTE:

1. Pre bid meeting will be held **on 24.11.2025 at 16.00 Hrs** in the **office of Chief Engineer, Malleshwaram Zone, BWCC, Palike Soudha Building, 1st Floor, 14th cross, Chandra Layout, Bangalore-560072** to clarify the issue and to answer questions on any matter that may be raised at that stage as stated in "Instructions to Bidders" of the bidding document.
2. Any corrigendum/addendum will be published in the KPPP Only.
3. Bids will be opened on the website https://kppp.karnataka.gov.in. in the office of the Executive Engineer, Yediyur Division.
4. Aspiring Bidders/Contractors who have not registered in KPPP should register before participating through the website https://kppp.karnataka.gov.in/ Before submission of online bids, bidders must ensure that scanned copies of all the necessary documents have been attached with bid.
5. All the required information required for Bids must be filled and submit online.
6. For details, registration and e-payment visit KPPP website https://kppp.karnataka.gov.in/ or contact KPPP Helpdesk at +91-9240214000 and +91-9240214001

Sd/-

Executive Engineer
Yediyur Division
Bangalore West City Corporation

Copy Submitted to the:

1. Copy submitted to the Chief Commissioner GBA for kind information.
2. Copy submitted to the Commissioner BWCC for kind information.
3. Copy submitted to the Addl. Commissioner (Developments) BWCC for kind information.

4. Copy submitted to the Chief Engineer, Malleshwarm Zone for kind information.
5. Copy submitted to the Superintendent Engineer, Malleswaram Zone for kind information.
6. Copy submitted to the Tender bulletin officer, GBA for requesting to publish the tender notification in tender bulletin.
7. Copy submitted to Chief Auditor and Chief Account officer for kind information.
8. Copy submitted to A.C.F Malleshwarm Zone for kind information.
9. Copy to CPRO with request to make arrangements for publication of notification in two leading daily Kannada and English News papers.
10. Copy to Acct. Suptd /Cashier of division office for needful.
11. Copy to I.T. Advisor with Soft copy for needful action to place in the GBA website.
12. Notice Board / Office copy.

Executive Engineer
Yediyur Division

SECTION 2: INSTRUCTIONS TO TENDERERS (ITT)

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A. General

1. Scope of Tender

1.1 **The Executive Engineer, Yadiyur Division, BWCC** (Referred to as Employer in these documents) invites tenders following Two Cover tender procedure, from eligible Tenderers, for the construction of works (as defined in these documents and referred to as "the works") detailed in the Table given in the Invitation for Tenders (IFT). The Tenderers may submit tenders for any or all of the works detailed in the table given in IFT.

2. Eligible Tenderers

2.1 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka / BWCC

2.2 **Tenders from Joint ventures are not acceptable.**

3. Qualification of the Tenderer:

3.1 All Tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Qualification information.

3.2 To qualify for award of this contract, each Tenderer in its name should have in the last five years (i.e. 2020-2021 to 2024-25)

(a) achieved in at least two financial years a minimum financial turnover (in all classes of civil engineering construction works only) of **Rs.1619.11 Lakhs**

(b)

(c) satisfactorily completed (at least 50% of the contract value) as prime contractor, at least one similar work value not less than **Rs.404.77 Lakhs**

(d) *executed in any one year, the following minimum quantities of work:*[1]

Quantity Requirement

[1] Specify the principal items of works to be executed under this contract

Sl No	Description	Unit	Qty
1	Concrete(PCC/RCC/any grade)	Cum	2326.5
2	Bituminous Mix(BC/DBM/BM/SMA)	Cum	613.2
3	Steel	t	97.9

Note: The work done certificate is to be issued by the competent Authority not less than Cadre of Executive Engineer (Also upload the Contract Bill i.e. paid voucher)

3.3 Each Tenderer should further demonstrate:

(a) Availability by owning critical equipment and at least 50% of the required/specified key equipment for this work and the remaining 50% can be deployed on lease/hire basis for all works provided the relevant documents (commitment agreements etc.) for availability for this work are furnished

Item of Equipment	Requirement		Equipment Own in nos	Equipment Lease/Hire in nos
	No.	Capacity		
Hot Mix Plant / Batch Mix Plant (minimum capacity of 40/60 TPH)	1	40/60 TPH	1	-
Mechanical Paver finisher	1		1	
Static Road roller	1		1	
Vibratory Road Roller	4	8 to over 10 tonne	1	3
Excavators (JCB/Hitachi)	2		-	2
Tippers	6		3	3
Water tanker	3			3

[4]Updated to the FY in which the tenders are invited. Financial turn over of previous years shall be given a weight of 10% per year to bring them to the price level of the FY in which the tenders are invited.

[5]Specify the works which will be accepted as similar works

[6] Updated to the FY in which the tenders are invited. The value of the completed works shall be given a weight of 10% per year to bring them to the price level of the FY in which the tenders are invited.

(b) Liquid assets and /or availability of credit facilities of not less than **Rs.269.85 Lakhs** (Credit lines/ letter of credit/ certificates from banks for meeting the fund requirement etc.

3.4 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

3.5 Sub-contractors' experience and resources shall not be taken into account in determining the Tenderer's compliance with the qualifying criteria except to the extent stated in 3.2 (d) and (e) above.

3.6 Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

Assessed available tender capacity = (A*N*1.5 - B)

Where

A = Maximum value of civil engineering works executed in any one year during the last five years *(updated to* **2025-26** *price level)* taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the works for which tenders are invited.

B = Value, at **2025-26** price level, of existing commitments and on-going works to be completed during the next **11 months**

Note: ***The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.***

3.7 Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

4. One Tender per Tenderer:

4.1 Each tenderer shall submit only one tender for one package. A tenderer who submits or participates in more than one Tender (other than as a sub-contractor or in cases of alternatives that have been permitted or requested)

will cause all the proposals with the Tenderer's participation to be disqualified.

5. Cost of Tendering:

5.1 The tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible and liable for those costs.

6. Site visit:

6.1 The Tenderer at his own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Tender and entering into a contract for construction of the Works. The cost of visiting the Site shall be at the Tenderer's own expense.

B. Tender documents

7. Content of Tender documents

7.1 The set of tender documents shall have all the Sections given in Page 2:
7.2 Both the sets should be completed and returned with the tender.

8. Clarification of Tender Documents

8.1 A prospective tenderer requiring any clarification of the tender documents may notify the Employer in writing or by cable (hereinafter "cable" includes telex and facsimile) at the Employer's address indicated in the invitation to tender. The Employer will respond to any request for clarification which he receives earlier than 15 days prior to the deadline for submission of tenders. Copies of the Employer's response will be forwarded to all purchasers of the tender documents, including a description of the enquiry but without identifying its source.

8.2 **Pre-tender meeting:**

8.2.1 The tenderer or his authorized representative is invited to attend a pre-tender meeting which will take place at **Office of the Chief Engineer – Palike Soudha, 1st Floor, 14th Cross, Chandra Layout, Bengaluru - 560072 On 24.11.2025 at 16.00 Hrs**

8.2.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage

8.2.3 The tenderer is requested to submit any questions in writing or by cable to reach the Employer not later than **3 days before the meeting.**

8.2.4 Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be transmitted without delay to all purchasers of the tender documents. Any modification of the tender documents listed in Sub-Clause 7.1 which may become necessary as a result of the pre-tender meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 9 and not through the minutes of the pre-tender meeting.

8.2.5 Non-attendance at the pre-tender meeting will not be a cause for disqualification of a tenderer.

9. Amendment of Tender documents

9.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addenda.

9.2 Any addendum thus issued shall be part of the tender documents and shall be communicated in writing or by cable to all the purchasers of the tender documents.

9.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 16.2 below.

C. Preparation of Tenders

10. Documents comprising the Tender

10.1 The tender submitted by the Tenderer shall be in two covers and shall contain the documents as follows:

10.1.1 First Cover:

(a) Earnest Money Deposit;

(b) Qualification Information as per formats given in Section 3;

10.1.2 Second Cover:

(a) The Tender (in the format indicated in Section 4)

(b) Priced Bill of Quantities (Section 9);

And any other materials required be completing and submitting by Tenderers in accordance with these instructions. The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.

10.2 Tenderers submitting tenders together with other contracts stated in the IFT to form a package will so indicate in the tender together with any discounts offered for the award of more than one contract.

11. Tender prices

11.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.

11.2 The Tenderer shall fill in rates and prices and line item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total tender price (both in figures and words). **Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities**.

11.3 All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Tenderer.

11.4 The rates and prices quoted by the Tenderer shall be subject to adjustment during the performance of the Contract in accordance with the provisions of Clause of the Conditions of Contract

12. Tender validity

12.1 Tenders shall remain valid for a period not less than **Ninety (90) days** after the deadline date for tender submission specified in Clause 16. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

12.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable. A Tenderer may refuse the request without forfeiting his earnest money deposit. A Tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 13 in all respects.

13. Earnest money deposit

13.1 The Tenderer shall furnish, as part of his tender, earnest money deposit (EMD) at the following rates

a) upto Rs.20 Lakhs - 2.5%

b) Rs.20 Lakhs and above upto Rs. 1 crore – 2% subject to a minimum of Rs. 50,000/-

c) Rs.1 crore and above upto Rs.10 crores – 1.5% subject to a minimum of Rs. 2,00,000/-

d) Rs.10 crores and above – 1% subject to a minimum of Rs.15,00,000/-.

e) Fixed Deposit Receipt (FDR) subject to the following condition

- Maturity date of FDRs issued by the Bank should be beyond the date expected date of finalization of the tender.

Earnest money deposit will have to be in any one of the forms as specified in the Tender document and as per circular PWD:15:ITC:2008/2099 Dated:02-12-2010 (Minimum of Rs.1,00,000/- through e-payment under of the following i.e., online / RTGS / NEFT / OTC and the balance by bank guarantee/FDR issued by Nationalized/Scheduled Bank and shall have to be valid for 90 days beyond the validity of the tender.

As per Circular: PWD:15:ITC:2008/2099 Dated:02-12-2010 the Tenderer shall submit the ORIGINAL BG/FDR for Part EMD on or before the Opening of Technical Bid, if failed to submit, the bid will be rejected

13.2 Instruments having fixed validity issued as earnest money deposit for the tender shall be valid for 45 days **beyond** the validity of the tender.

13.3 Any tender not accompanied by an acceptable earnest money deposit and not secured as indicated in Sub-Clauses 13.1 and 13.2 above shall be rejected by the Employer as non-responsive.

13.4 The earnest money deposit of unsuccessful Tenderers will be returned within 30 days of the end of the tender validity period specified in Sub-Clause 12.1.

13.5 The earnest money deposit of the successful Tenderer will be discharged when the Tenderer has signed the Agreement and furnished the required Performance Security.

13.6 The earnest money deposit may be forfeited:

(a) if the Tenderer withdraws the Tender after tender opening during the period of tender validity;

(b) if the Tenderer does not accept the correction of the Tender Price, pursuant to Clause 24; or

(c) in the case of a successful Tenderer, if the Tenderer fails within the specified time limit to

(i) sign the Agreement; or

(ii) furnish the required Security deposit

14. Format and signing of Tender

14.1 Tenderer shall submit the Bid electronically before the submission date and time published in e-procurement portal.

D. Submission of Tenders

15. Sealing and marking of tenders

15.1 Tenderer shall submit the Tender document electronically before the submission date and time published. The document for submission shall be uploaded in PDF format and submitted in the order mentioned below.

Note:-

1. **The Tenderer shall access Tender Documents, fill them and submit the Completed Tender Document as stated in Clause 10 through Website of e – Procurement itself (www.kppp.karnataka.gov.in). The Signed, Sealed and Scanned Copy of all the Documents as stated in Clause 10 shall be attached to the e – Tender Document, failing which the Bid will not be considered. It is the Responsibility of the Tenderer to submit all the Documents pertaining to Eligibility Criteria / Qualification Information with due diligence. All the Pages of the Document shall be serially numbered with an Index for ready reference.**
2. **No Physical Documents shall be considered. However, all the participating Tenderers shall produce all the Original Documents for Verification whenever asked by the Employer.**

16. Deadline for submission of the Tenders

16.1 Tenders must be received by the Employer at the address specified above no later than **28.11.2025 upto 16:00 hours** In the event of the specified date for the submission of tenders being declared a holiday for the Employer, the tenders will be received up to the appointed time on the next working day.

16.2 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 9, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

17. Late Tenders

In online e-Procurement system, you shall not be able to submit the Tender after the Tender submission time and date as the icon or the task in the e-procurement portal will not be available.

18. Modification and Withdrawal of Tenders

16.3 Tenderer has all the time to modify and correct or upload any relevant document in the portal till tender submission date and time, as published in the e-Procurement portal. In e-procurement portal the Contractor has the option of withdrawing the Tender by digitally signing to withdraw/cancel Tender before the Tender submission time/date.

16.4

E. Tender opening and evaluation

19. Opening of First Cover of all Tenders and evaluation to determine qualified Tenderers:

19.1 The Employer will open online the First Covers of all the Tenders received through e- procurement portal, in the presence of the Tenderers or their representatives who choose to attend on the date and the place specified in the e-procurement portal. In the event of the specified date of Tender opening being declared a holiday for the Employer, the Tenders will be opened at the appointed time and location on the next working day.

19.2 The Employer will evaluate and determine whether each tender (a) meets the eligibility criteria defined in ITT Clause 2; (b) is accompanied by the required earnest money deposit as per stipulations in ITT Clause and (c) meets the minimum qualification criteria stipulated in ITT Clause 3. The Employer will draw out a list of qualified Tenderers.[2]

20. Opening of Second Cover of qualified Tenderers and evaluation:

The Employer will inform all the Qualified Tenderers the time, date and venue fixed for the opening of the Second Cover containing the priced Tenders. The Employer will open the Second Covers(online) of qualified Tenderers at the appointed time and date (as indicated in the e-procurement portal) in the presence of the Tenderers or their representatives who choose to attend. In the event of the specified date of Second Cover opening being declared a holiday for the Employer, the Second Covers will be opened at the appointed time and location on the next working day.

21. Process to be confidential

21.1 Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

22 Clarification of Tenders

22.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 24.

22.2 Subject to sub-clause 22.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time

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the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

22.3 Any effort by the Tenderer to influence the Employer in the Employer's Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers' Tender.

23. Examination of Tenders and determination of responsiveness

23.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender;

(a) has been digitally signed;

(b) is substantially responsive to the requirements of the Tender documents.

23.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders.

23.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

24. Correction of errors

The Tenderer may modify the tender only before the last date for submission of the tender, as indicated on the e-procurement portal.

25. Evaluation and comparison of Tenders

25.1 The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with Clause 23.

25.2 - Deleted – (Since bids submitted online only)

25.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

25.4 The estimated effect of the price adjustment conditions under Clause 41 of the Conditions of Contract, during the implementation of the Contract, will not be taken into account in tender Evaluation

25.5 If the tender of the successful tenderer is seriously unbalanced in relation to the Employer's estimate of the cost of the work to be performed under the contract, the Employer may require the Tenderer to produce detailed price analysis for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 29 be increased at the expense of the successful Tenderer to a level sufficient to protect the Employer against financial loss in the event of default of the successful under the contract.

F. Award of Contract

26. Award criteria

26.1 Subject to Clause 27, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be (a) eligible in accordance with the provisions of Clause 2, and (b) qualified in accordance with the provisions of Clause 3.

27. Employer's right to accept any Tender and to reject any or all Tenders

27.1 Notwithstanding Clause 26, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

28. Notification of award and signing of Agreement

28.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex, e-mail or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

28.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of Security deposit in accordance with the provisions of Clause 29.

28.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.

28.4 Upon the furnishing by the successful Tenderer of the Performance Security, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

29. Security deposit

29.1 Within 20 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit in any of the forms given below for an amount equivalent to 5% of the Contract price plus additional security for unbalanced tenders in accordance with Clause 25.5 of ITT and Clause 44 of the Conditions of Contract for all works. :

- Cash or
- Banker’s cheque/Demand draft,/Pay Order in favour of Commissioner **BWCC** payable at Bangalore or
- **A Bank Guarantee in the form given in Section 10; or**
- **Special Small savings instruments pledged to Commissioner, BWCC / Executive Engineer – Yediyur Division, Malleshwaram Zone, BWCC**

29.2 If the security deposit is provided by the successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank.

29.3 The security deposit if furnished in cash or demand draft can, if requested, be converted to interest bearing securities at the cost of the contractor.

29.4 Failure of the successful Tenderer to comply with the requirements of Sub-Clause 29.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Earnest money deposit.

30 Advance Payment and Security:

30.1 The Employer will provide an advance payment on the contract price as stipulated in the Conditions of Contract, subject to the maximum amount as stated in the Contract Data.

31. Corrupt or Fraudulent practices

31.1 The **BWCC** requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, **BWCC**:

(a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a **BWCC** contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a **BWCC** contract.

31.2 Furthermore, Tenderers shall be aware of the provision stated in sub-clause 50.2 of the Conditions of Contract.

SECTION 3: QUALIFICATION INFORMATION

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

1.1 Constitution or legal status of Tenderer [Attach copy]

Place of Registration

_____ (Attach Copy)

Principal place of business:

_____

1.2 Total value of civil engineering construction **2020 - 21** .....
works executed and payments received in the last five years **2021 - 22** .....
(in Rs. Lakhs) Attach Certificate from Chartered Accountant **2022 - 23** .....
2023 - 24 .....
2024 - 25 .....

1.3 Work performed as Prime Contractor (in the same name) on works of similar nature over during the five years specified in 1.2 above.

Project Name	Name of Employer	Description of Work	Contract Number	Value of Contract Rs. Lakhs	Date of issue of work order	Specified period of completion	Actual date of Actual date of	Remarks explaining reasons for delay in completion of work
1	2	3	4	5	6	7	8	9

1.4 Quantities of work executed as prime contractor (in the same name) during the last five years specified in 1.2 above:

Year	Name of Work	Name of Employer	Quantity of work performed (cum)[3]			Remarks (Indicate contract reference)
			Cement Concrete	Masonry	Earthworks	
2020-21						
2021-22						
2022-23						
2023-24						
2024-25						

1.5 Information on works for which Tenders have been submitted and works which are yet to be completed as on the date of this Tender.

(A) <u>Existing commitments and on-going works:</u>

Description of Work	Place & State	Contract No. & Date	Name And Address	Value of Contract (Rs.	Stipulated period of completio	Value of works remaining to be	Anticipated date of completion

[3] Items of work for which data is requested should tally with that specified in ITT Clause 3

			of Employer	lakhs)	n	completed (Rs. lakhs) Attach Certificates from Engineers –in- Charge	
1	2	3	4	5	6	7	8

(B) Works for which Tenders already submitted:

Description of Work	Place & State	Name and Address of Employer	Estimated value of works (Rs. lakhs)	Stipulated period of completion	Date when decision is expected	Remarks if any
1	2	3	4	5	6	7

1.6. The following items of equipment are considered essential for successfully carrying out the works. The Tenderer should furnish all the information listed in clause 3.3a.

Item of Equipment	Requirement[4]		Owned	Owned and available		
	No.	Capacity		Number/ Capacity	Age/ condition	Remarks

1.7 Reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the last five years;

1.8 Qualification and experience of the key technical and management personnel in permanent employment with the tenderer and those that are proposed to be deployed on this contract, if awarded.

1.9. Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer.

1.10 Evidence of access to financial resources to meet the qualification requirement specified in ITT Clause3.3 (b): Cash in hand, Letter of Credit etc. List them below and attach certificate from the Banker in the suggested format as under:

[4] The item of equipment, required number and capacity should match with those specified in ITT Clause 3.3 (a)

BANKER'S CERTIFICATE

This is to certify that M/s. ..... is a reputed company with a good financial standing. If the contract for this work, namely ..... (*name of the work)* is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. ..... to meet the working capital requirements for executing the above contract

Name of the Bank, Senior Bank
Manger with Signature
Address:.....

1.11 Proposals for subcontracting components of works amounting to more than 20% of the contract price.

Item of Work	Value of Sub-Contract	Identified Sub-Contractor (Name and address)	Experience of similar work (Attach certificates from the respective Employers.)
1	2	3	4

1.12 Information on litigations in which the Tenderer is involved:

Other Party (ies)	Employer	Details of dispute	Amount involved	Remarks showing present status

1.13 The proposed methodology and program of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones.

SECTION 4: FORMS OF TENDER, LETTER OF ACEPTANCE, NOTICE TO PROCEED WITH THE WORK AND AGREEMENT FORM

Form of Tender

Description of the Works:
……
……
..
(To be filled in by the Employer before issue of the Tender document)

Tender

To : ……

Address ……
……
(To be filled in by the Employer before issue of the Tender document)

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of ……. *[in figures] (*……) *[in letters]*.[5]

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

The advance payment required is Rs……

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorized Signature:

[5] To be filled in by the Tenderer, together with his particulars and date of submission at the bottom of the Form of Tender

Name & Title of Signatory:

_____

Name of Tenderer _____
Address: ----------

Letter of Acceptance

(letterhead paper of the Employer)

.....[date]

To:

.....

.....[name and address of the Contractor]

Dear Sirs,

This is to notify you that your Tender dated ..... for execution of the .....

.....

..... *[name of the contract and identification number, as given in the Instructions to Tenderers]* for the Contract Price of Rupees .....

.....

..... (.....) [amount in words and figures], as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by our Agency.

You are hereby requested to furnish Security deposit plus additional security for unbalanced tenders in terms of Clause 25.5 of ITT, in the form detailed in Clause 29.1 of ITT for an amount of Rs..... within 20 days of the receipt of this letter of acceptance valid up to 30 days from the date of expiry of Defects Liability Period i.e. up to ..... and sign the contract, failing which action as stated in Para 29.4 of ITT will be taken.

Yours faithfully,

Authorized Signature

Name and Title of Signatory

Name of Agency

-

Issue of Notice to proceed with the work

(letterhead of the Employer)

.....(date)

To

.....

.....

..... (name and address of the Contractor)

Dear Sirs:

Pursuant to your furnishing the requisite security deposit as stipulated in ITT Clause 29.1 and signing of the contract agreement for the construction of ..... (name of the work) a Tender Price of Rs..... , you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

(Signature, name and title of signatory authorized to sign on behalf of Employer)

Agreement Form

Agreement

This agreement, made the .....day of .....20....., between.....
...
.....[name and address of Employer]
(hereinafter called "the Employer") of the one part and
.....
.....[name and address of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute
.....
[name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
   i) Letter of Acceptance;

ii) Notice to proceed with the works;
iii) Contractor's Tender;
iv) Contract Data;
v) Conditions of contract (including Special Conditions of Contract);
vi) Specifications;
vii) Drawings;
viii) Bill of Quantities; and
ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of
.....
Signed, Sealed and Delivered by the said
.....
.....
in the presence of:
Binding Signature of Employer
.....
Binding Signature of Contractor
.....

SECTION 5: CONDITIONS OF CONTRACT

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Conditions of Contract

A. General

1. Definitions

1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Bold letters are used to identify defined terms.

Bill of Quantities means the priced and completed Bill of Quantities forming part of the Tender.
Compensation events are those defined in Clause 38 hereunder.
The **Completion Date** is the date of completion of the Works as certified by the Employer in accordance with Sub Clause 46.1.
The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.2 below.
The **Contract Data** defines the documents and other information which comprise the Contract.
The **Contractor** is a person or corporate body whose Tender to carry out the Works has been accepted by the Employer.
The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.
The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
Days are calendar days; **months** are calendar months.
A **Defect** is any part of the Works not completed in accordance with the Contract.
The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date.
The **Employer** is the party who will employ the Contractor to carry out the Works.
Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.
The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance.
The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.
Materials are all supplies, including consumables, used by the contractor for incorporation in the Works.

Plant is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.
The **Site** is the area defined as such in the Contract Data.
Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.
The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.
A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.
A **Variation** is an instruction given by the Employer which varies the Works.
The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

2. Interpretation

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

(1) Agreement
(2) Letter of Acceptance, notice to proceed with the works
(3) Contractor’s Tender
(4) Contract Data
(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and
(9) Any other document listed in the Contract Data as forming part of the Contract.

3. Law governing contract

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4. Employer's decisions

4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

5. Delegation

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. Communications

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Subcontracting (Deleted)

7.1 Deleted.

8. Other Contractors

8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

9. Personnel

9.1 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

9.2 If the Employer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Employer's and Contractor's risks

10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's risks

11.1 The Employer is responsible for the excepted risks which are:

(a) rebellion, riot commotion or disorder unless solely restricted to employees of the Contractor or his Sub-Contractors arising from the conduct of the Works; or

(b) a cause due solely to the design of the Works, other than the Contractor's design; or

(c) any operation of the forces of nature (in so far as it occurs on the Site) which an experienced contractor:

(i) could not have reasonably foreseen; or

(ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures;

(A) prevent loss or damage to physical property from occurring by taking appropriate measures or

(B) insure against such loss or damage

12. Contractor's risks

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

13. Insurance:

13.1 The Contractor shall prior to commencing the works, effect and thereafter maintain insurances , in the joint names of the Employer and the Contractor, (cover from the first working day after the Start Date to the end of Defects Liability Period), in the amounts stated in the Contract Data :

(a) for loss of or damage to the Works, Plants and Materials and the Contractor's equipment;

(b) for liability of both Parties for loss, damage, death and injury to third parties or their property arising out of the Contractor's performance of the Contract including the Contractor's liability for damage to the Employer's property other than the Works and

(c) for liability of both Parties and of any Employer's representative for death and injury to the Contractor's personnel except to the extent that liability arises from the negligence of the Employer, any Employer's representative or their Employees.

13.2 Policies and certificates for insurance shall be delivered by the Contractor to the Employer for his approval before the Start Date. All such insurance shall provide for compensation to be payable to rectify the loss or damage incurred. All payments received from insurers relating to loss or damage shall be held jointly by the Parties and used for the repair of the loss or damage or as compensation for loss or damage that is not to be repaired.

13.3 If the Contractor fails to effect or keep in force any of the insurances referred to in the previous sub-clauses or fails to provide satisfactory evidence, policies or receipts, the Employer may without prejudice to any other right or remedy, effect insurance for the cover relevant to such default and pay the premiums due and recover the same as a deduction from any other monies due to the Contractor. If no payments is due, the payment of the premiums shall be a debt due.

13.4 Alterations to the terms of an insurance shall not be made without the approval of the Employer.

13.5 Both Parties shall comply with any conditions of the insurance policies.

14. Site Investigation Reports:

14.1 The Contractor, in preparing the tender, shall rely on any site investigation reports referred to in the Contract data, supplemented by any information available to the Tenderer.

15. Queries about the Contract Data

15.1 The Employer will clarify queries on the Contract Data.

16. Contractor to construct the Works

16.1 The Contractor shall construct the Works in accordance with the Specification and Drawings.

17. The Works to be completed by the Intended Completion Date

17.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Employer, and complete them by the Intended Completion Date.

18. Approval by the Employer:

18.1 The Contractor shall submit Specification and drawings showing the proposed Temporary Works to the Employer, who is to approve them if they comply with the Specifications and Drawings.

18.2 The Contractor shall be responsible for the design of Temporary Works

18.3 The Employer's approval shall not alter the Contractor's responsibility for design of the Temporary Works.

18.4 The Contractor shall obtain approval of third parties to the design of third parties to the design of the temporary Works where required.

18.5 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Employer before their use.

19. Safety

19.1 The Contractor shall be responsible for the safety of all activities on the Site.

20. Discoveries

20.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

21. Possession of the Site

21.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

22. Access to the Site

22.1 The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

23. Instructions

23.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

24. Procedure for resolution of Disputes:

24.1 If the Contractor is not satisfied with the decision taken by the Employer, the dispute shall be referred by either party to Arbitration within 30 days of the notification of the Employer's decision.

24.2 If neither party refers the dispute to Arbitration within the above 30 days, the Employer's decision will be final and binding.

24.3 The Arbitration shall be conducted in accordance with the arbitration procedure stated in the Special Conditions of Contract.

B. Time Control

25. Program

25.1 Within the time stated in the Contract Data the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works.

25.2 The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

26. Extension of the Intended Completion Date

26.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date.

26.2 The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

27. Delays ordered by the Employer

27.1 The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

28. Management meetings

28.1 The Employer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the progress achieved and the plans for remaining work.

28.2 The responsibility of the parties for actions to be taken is to be decided by the Employer either at the management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

C. Quality Control

29. Identifying defects

29.1 The Employer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect

30. Tests

30.1 If the Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

31. Correction of defects

31.1 The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

31.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer's notice.

32. Uncorrected defects

32.1 If the Contractor has not corrected a Defect within the time specified in the Employer's notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

D.Cost Control

33. Bill of Quantities (BOQ)

33.1 The BOQ shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.

33.2 The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item

34. Variations

34.1 The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the progress of the work by him

(a) Increase or decrease of any item of work included in the Bill of Quantities (BOQ);
(b) Omit any item of work;
(c) Change the character or quality or kind of any item of work;
(d) Change the levels, lines, positions and dimensions of any part of the work;
(e) Execute additional items of work of any kind necessary for the completion of the works; and
(f) Change in any specified sequence, methods or timing of construction of any part of the work.

34.2 The Contractor shall be bound to carry out the work in accordance with any instructions in this connection, which may be given to him in writing by the Employer and such alteration shall not vitiate or invalidate the contract.

34.3 Variations shall not be made by the Contractor without an order in writing by the Employer, provided that no order in writing shall be required for increase or decrease in the quantity of an item appearing in the BOQ so long as the work executed conforms to the approved drawings.

34.4 The Contractor shall promptly request in writing to the Employer to confirm verbal orders and the officer issuing oral instructions shall confirm it in writing within 30 days, failing which the work shall be carried out as though there is no variation. In case variation is approved it shall be accompanied by BOQ, failing which the contractor shall be responsible for deviation if any. Further, approval of Govt. / BWCC has to be obtained for the variation exceeding 5%.

35. Payments for Variations

35.1 Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

35.2 For quantities in excess of 125% of the tendered quantity of an item as given in the BOQ, the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

35.3 If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rate for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract

35.4 If the rates for additional, substituted or altered item of work cannot be determined either as at 35.1 or 35.2 or 35.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.

35.5 If the Contractor's quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer’s own forecast of the effects of the Variation on the Contractor's costs.

35.6 If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

35.7 Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

36. Submission of bills for payment

36.1 The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.

36.2 The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the quantities of the items in the BOQ completed and (ii) valuation of Variations and Compensation Events.

36.3 The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information.

37. Payments

37.1 Payments shall be adjusted for deductions for advance payments other than recoveries in terms of contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor the within 60 days of submission of bill. The contractor shall be liable to pay liquidated damages for shortfall in progress. For progress beyond the agreed program payment is subject to availability of the grants.

37.2 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

38. Compensation events

38.1 The following are Compensation events unless they are caused by the Contractor:

(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.
(b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.
(c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.
(d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
(e) The effect on the Contractor of any of the Employer's Risks.
(f) The Employer unreasonably delays issuing a Certificate of Completion.
(g) Other Compensation Events listed in the Contract Data or mentioned in the Contract.

38.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Employer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

38.3 As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Employer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer's own forecast. The Employer will assume that the Contractor will react competently and promptly to the event.

38.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Employer.

39. Tax

39.1 The rates quoted by the Contractor shall be deemed to be exclusive of GST and inclusive of other taxes that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

40. Price Adjustment: DELETED

40.1 Deleted

40.2 Deleted

41. Liquidated damages

41.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole of the works or the

milestone as stated in the Contract Data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities.

41.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

42. Advance Payments: Refer Section 6: Contract Data

43. Securities:

43.1 The Security deposit (including additional security for unbalanced tenders) shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and type of instrument acceptable to the Employer. The Security deposit shall be valid until a date 30 days from the date of expiry of Defects Liability Period and the additional security for unbalanced tenders shall be valid until a date 30 days from the date of issue of the certificate of completion.

44. Cost of Repairs:

44.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing the Contract

45. Completion

45.1 The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

46. Taking over

46.1 The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion.

47. Final account

47.1 The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving the Contractor's account if it is correct and complete. If it is not, the Employer shall issue within 90 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor's revised account.

48. As built drawings and /or Operating and Maintenance Manuals

48.1 If "as built" (*Completion drawings*) Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data.

48.2 If the Contractor does not supply the Drawings by the dates stated in the Contract Data, or they do not receive the Employer's approval, the Employer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

49. Termination

49.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.

49.2 Fundamental breaches of Contract include, but shall not be limited to the following:

(a) The Contractor stops work for 45 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Employer;

(b) Deleted.

(c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation;

(d) Deleted.

(e) the Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Employer;

(f) The Contractor does not maintain a security which is required;

(g) the Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and

(h) If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.

For the purpose of this paragraph : "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition."

49.3 When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub Clause 49.2 above, the Employer shall decide whether the breach is fundamental or not.

49.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

49.5 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

50. Payment upon Termination

50.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other

recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

50.2 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare bill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

51. Property

51.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor’s default.

52. Release from performance

52.1 If the Contract is frustrated by any event entirely outside the control of either the Employer or the Contractor the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made

F. Special Conditions of Contract

1. Labour:

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

2. Compliance with labour regulations:

During continuance of the contract, the Contractor shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused

to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor in no case shall be treated as the employees of the Employer at any point of time.

3. Protection of Environment:

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

4. Arbitration (Clause 24)

4.1 The procedure for arbitration shall be as follows:

(a) In case of dispute or difference arising between the Employer and the Contractor relating to any matter arising out of or connected with this agreement it shall be settled in accordance with the Arbitration and Conciliation Act 1996. The disputes or differences shall be referred to a Sole Arbitrator. The Sole Arbitrator shall be appointed by agreement between the parties; failing such agreement, by the Appointing Authority (any one of the Organizations as per list enclosed in Annexure)

(b) Arbitration proceedings shall be held at Bangalore, Karnataka state (to be filled in by the Employer before issue of the Tender Documents),

(c) The cost and expenses of arbitration proceedings will be paid as determined by the Arbitrator. However the expenses incurred by each party in connection with the preparation, presentation, etc., shall be borne by each party itself.

5. In the case of the death of a Contractor after executing the agreement / commencement of the work, his legal heir, if an eligible registered Contractor and willing can execute and complete the work at the accepted tender rates irrespective of the cost of the work.

6. The Contractor should produce invoice for procurement of Bitumen, Steel, HDPE ducts, and material along with bills. No payments will be made without such invoices.

7. Mix Designs for Concrete and Asphalt work should be got approved by Executive Engineer before commencement of Work.

8. The Contractor shall establish field lab and field office to facilitate quality assurance of execution of works.

9. GST Shall be Paid to the Tendered Amount Separately.

10. The Availability of HMP Ownership will be ascertained by physical inspection at the time of technical Evaluation by the Evaluating Authority

11. Qty Executed Bill Copies (Paid Voucher).

[Add other Clauses specific to the work for which tenders are invited.]

Annexure:

LIST OF ORGANIZATIONS WHO ARE CONSIDERED AS APPOINTING AUTHORITY FOR APPOINTMENT OF ARBITRATORS[6]

1. Indian Council of Arbitration, New Delhi;
2. International Centre for Alternative Disputes Resolution (India);
3. Indian Roads Congress;
4. Indian Building Congress;
5. Indian Institute of Bridge Engineers;
6. Indian Institute of Public Health Engineers;

[6] Add any other Organization considered suitable.

SECTION 6: CONTRACT DATA

Items marked "N/A" do not apply in this Contract.

The following documents are also part of the Contract: **Cla**
Reference

- The Schedule of Operating and Maintenance Manuals [4
- The Methodology and Program of Construction [25]
- Site Investigation Reports [14]
- The Schedule of Key and Critical Equipment to be deployed on the work as per agreed program of construction. [2

The Employer is:

Name: The Commissioner [1.1]
Address: **BWCC**, IPP Building ,16th Cross Rd, Vyalikaval, Kodandarampura, Malleshwaram, Bengaluru, Karnataka 560003
Name of authorized Representative: **Office of the Executive Engineer, Yediyur Division,**
4th Cross, Jayanagara 7th Block, Bengaluru-560 070.
The name and identification number of the Contract is [

Additional Development work of Karisandra Hospital development of Sri Siddi Vinayaka Vyayama Shale and other development of roads drains and other allied works in ward no 161,165,166 & 183 Pertaining to Yediyur Division (Comprising of 9 Works in G.O. BWCC Sl. No. 81,82,83,84,85,86,94,105 & 106) PACKAGE YDR--03.The Works consist of Improvements to Drain ,Road and Building works

The start date shall be the date of issue of notice to proceed with the work. [1.1]

The Intended Completion Date for the whole of the Works is 11 **months** with the following milestones [17, 26]

Milestone dates:
Physical works to be completed Period from the date of issue of Notice to proceed with the work

Milestone 1 i.e Financial Progress for Rs.323 lakhs within4 Months from the date of work order
Milestone 2 i.e Financial Progress for Rs.242 lakhs within 4 Months from the date of work order
Milestone 3 i.e Financial Progress for Rs. 242 lakhs within 3 Months from the date of work order

The Site Possession Date is:[7] **Date of work order** [21]

The Site is located at **Yediyur** [1.1]
and is defined in drawings

The Defects Liability Period is **2 Years** [8]. [31]

Insurance requirements are as under: [13]

	Type of Cover	Minimum cover for Insurance[9]
(i)	Works and of Plant and materials	The sum stated in the Agreement plus 20%
(ii)	Loss or damage to equipment	Full replacement cost
(iii)	Loss or damage to property of Third Party	Full replacement cost
(iv)	Personal injury or death insurance (a) for Third Party[10]	
	(b) for Contractor's employees or labour	In accordance with the statutory requirements applicable to Karnataka

Price Adjustment Formula;[11] **(DELETED)** [40]

The liquidated damages for the whole of the works are **Rs.80,955/-**(amount) per day[12] and that for the milestones are as under:

For Milestone 1: Rs **32382/- per day**
[41]
For Milestone 2: Rs **24286/-per day**
For Milestone 3: Rs **24286/- Per day**

The maximum amount of liquidated damages for the whole of the works
[41]
is Ten percent of final contract price.
The amounts of the advance payment are: **[42]**

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[7] At the time of preparation of the tender document give the period after the issue of work order, when the site would be made available to the contractor, for example 'one week after the issue of work order'

[8] The period should depend up on the period required for testing of the work. In case of building it could be 12 months (passing of one rainy season); for pipe laying work, tanks, water retaining structures, the time required for testing; for canals, lining works, the passing of one monsoon or running of canal whichever is lower; roads and highways passing of one monsoon (12 months)

[9] Employer to specify as per requirement. Exclusions if any should also be specified.

[10] Specify an appropriate figure. For normal works it could be Rs.20 lakhs to cover 4 persons @Rs.5 lakhs each.

[11] The Formula has some normal components. It should be changed if need be to suit the nature of the work.

[12] The amount is usually computed on the basis of 0.1% of the contract price per day. The amount has to be specified as a round figure nearest to the hundred.

Nature of Advance	Amount (Rs.)	Conditions to be fulfilled
Mobilization	**5% of the Contract price**	**On submission of un-conditional Bank Guarantee. (to be drawn before end of 20% of Contract period)**

(The advance payment will be paid to the Contractor no later than 30 days after fulfillment of the above conditions).

Repayment of advance payment for mobilization : [42]

The advance loan shall be repaid with percentage deductions from the interim payments certified by the Engineer under the Contract. Deductions shall commence in the next Interim Payment Certificate following that in which the total of all such payments to the Contractor has reached not less than 15 percent of the Contract Price or Three [13] months from the date of payment of first installment of advance, whichever period concludes earlier, and shall be made at the rate of 7.5% percent of the amounts of all Interim Payment Certificates until such time as the loan has been repaid, always provided that the loan shall be completely repaid prior to the expiry of the original time for completion pursuant to Clauses 17 and 26.

[14]The date by which "as-built"[15] **drawings (in scale 1:1000** [16]) in 2 sets are required is within
30 days of issue of certificate of completion of Whole or Section of the Work as the case may be. [48]
[17]The date by which Operating and Maintenance Manuals are required is within 30 days of issue of certificate of completion of Whole or Section of the Work as the case may be. [48]

The amount to be withheld for failing to supply "as built" drawings or supply of
Operation and Maintenance Manuals by the date required is **Rs 50,000/-**
(The amount should be sufficient to get the completion drawings or Operating and
Maintenance Manuals prepared by alternative agency in case the contractor fails to submit.) [48]

The following events shall also be fundamental breach of the contract: [49.2]

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

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[13] To be filled up by the Employer before issue of the tender document; say 'Three or four months'
[14] Score out whichever is not applicable.
[15] Completion drawings
[16] Specify an appropriate scale
[17] Score out which ever is not applicable.

The percentage to apply to the value of the work not completed representing the Employer's Additional cost for completing the Works shall be 30 percent (30%) . [50.1]

(Change if need be. It should be sufficient to get the balance of works completed by alternative agency.)

SECTION 7: SPECIFICATIONS

As per specifications mentioned in BOQ

SECTION 8: DRAWINGS
(Enclosed)

SECTION 9: BILL OF QUANTITIES

Item No	Description of Work	Unit	Qty
1	Removing and Refixing of drain covering slabs (B.S Slab or RCC Slab 10cms) and Pointing in CM (1:3) as directed by the Engineer in charge of the work	Sqm	3137.76
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead. (ii)By Mechanical Means Cement Concrete Grade M-15 & M-20 with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	801.00
3	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. In all kinds of soils Depth upto 1.5m with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	2690.83
4	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock pilling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	785.97
5	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	282.36
6	Removing and resetting of precast kerb stones fixed with CM 1:3 fixed and finished in line as per direction of Engineer in charge. (The cost of PCC shall be paid extra). with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	2547.20
7	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 15kms. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	4560.16
8	Providing and laying in position cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse	Cum	602.37

	aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:4:8 Using 40mm nominal size graded crushed coarse aggregates. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
9	Providing and laying in position cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. Thegranite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.M20 Design Mix Using 20mm nominal size graded crushed coarse aggregates. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	602.37
10	Providing and laying in position cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. Thegranite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.M20 Design Mix Using 20mm nominal size graded crushed coarse aggregates. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	804.53
11	Providing and laying in position cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. Thegranite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.M20 Design Mix Using 20mm nominal size graded crushed coarse aggregates. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	18.38
12	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification. h). All other type of structures with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Tonne	93.10
13	Providing and laying in position cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse	Cum	73.62

	aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:2:4 Using 20mm nominal size graded crushed coarse aggregates. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
14	Providing B S slabs of selected quality roughly dressed having a size of 10cms thick and fixed in cement mortar(1:6) including fixing curing etc., complete. As directed by the Engineer in Charge of the work with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	784.44
15	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 witht top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork,curing, including cost of all materials, labhour, hire charges of machinery, loading, unloading, lead and lift, trasportation etc., complete. as directed by the Engineer in Charge of the work with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Nos	1415.22
16	Providing and fixing precast reinforced cement concrete covering slabs of 23cm thick made out of M25 with OPC cement @340kgs/Cum, with 20mm down size graded metal coarse aggregates @ 0.70cum and fine aggregates & 0.74cum with superplasticizers machine mixed including providing and removing centering, shuttering, strutting, propping etc., for edges of slabs with TMT steel (Fe 500) cost & reinforcement charges, including pointing with CM 1:3 finishing as required with cost of all materials, labour all lead and lift HOM of machinery curing including cost of reinforcement etc., complete as directed by the Engineer in charge of the work with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	79.80
17	Providing,laying, spreading and compacting graded stone aggregates to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	311.59
18	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	1742.75
19	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects (Dense Graded Bituminous Macadam grading with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	158.16
20	Providing and applying tack coat with RS1 Bituminous Emulsion usingemulsion pressure distributor at the rate of 0.20 kg/m2 on the	Sqm	15208.50

	prepared bituminous surface cleaned with mechanical broom with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
21	Providing and laying Bituminous Concrete with not less than 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @ 4.78% Bitumen and waste plastic 8% of Bitumen of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects B.Bituminous Concrete Grading II Using waste plastic with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	608.34
22	Road Marking with Hot Applied Thermoplastic compound with Reflectrising Glass beads on Bituminous surface. Providing and laying of Hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250gm/sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35,. The finished surface to be level, uniform and pre firm streaks and holes. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	553.35
23	Supplying and Fixing of Molded Shank Raised Pavement Markers / Cat's eye made of polycarbonate and ABS moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 +/- 2 mm and with minimum reflective area of 13 cm2 on each side and the slope to the base shall be 35 +/- 5 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 +/- 2 mm and height not less than 30+/- 2 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.The contractor shall submit a two year warranty for satisfactory field performance including stipulated retro-reflectance of the reflecting panel, to the Engineer with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	730.00
24	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	241.50
25	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383:2016:, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and	Cum	161.00

	fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, primer, sealant, curing of concrete slabs for 14-days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
26	Providing and fixing Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-charge. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Kgs	1750.50
27	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre as per specifications and as per directions of Engineer in charge. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	1114.40
28	Painting Two Coats on New Concrete Surfaces : Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	1114.40
29	Demolishing R.C.C. work by mechanical means and stockpiling at designated locations and disposal of dismantled materials to the appropriate disposal area stacking serviceable and unserviceable material separately including cutting reinforcement bars. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	97.37
30	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	37.15
31	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge. In cement mortar. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	201.49
32	Dismantling doors, windows and clerestory windows (steel or wood) shut ter including chowkhats, architrave, holdfasts etc. complete and stacking to the appropriate disposal area as per direction of Engineer-in-charge. Of area 3 m^2 and below with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	62.10
33	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge to the appropriate disposal area with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	83.58
34	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils	Cum	109.26

	& upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In Ordinary/Soft rock upto 300 mm depth. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
35	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In ordinary/soft rock without blasting upto 1.5 m depth with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	271.46
36	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work Depth exceeding 1.5 m, but not exceeding 3 m with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	87.79
37	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools,usage& other appurtenances required to complete the work.In all kinds of soils. Depth upto 1.5m. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	30.38
38	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5m including cost of labour, tools, usage of machinery & other appurtenaces required to complete. In all kinds of soils Depth upto 3 m with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	411.79
39	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 15kms. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	1111.14
40	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	80.56
41	Providing and laying in position cement concrete for levelling course for all works	Cum	57.65

	in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:4:8 Using 40mm nominal size graded crushed coarse aggregates. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
42	Providing and laying in position cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. Thegranite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.M25 Design Mix Using 20mm nominal size graded crushed coarse aggregates. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	48.41
43	Providing and laying in position cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. Thegranite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.M25 Design Mix Using 20mm nominal size graded crushed coarse aggregates. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	14.63
44	Providing and laying in position cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. Thegranite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.M25 Design Mix Using 20mm nominal size graded crushed coarse aggregates with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	16.41
45	Providing and laying in position cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. Thegranite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.M25 Design Mix Using	Cum	57.02

	20mm nominal size graded crushed coarse aggregates. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
46	Providing and laying in position cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. Thegranite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.M25 Design Mix Using 20mm nominal size graded crushed coarse aggregates. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	90.64
47	Providing and laying in position cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. Thegranite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.M25 Design Mix Using 20mm nominal size graded crushed coarse aggregates. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	12.27
48	Providing and laying in position cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. Thegranite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.M25 Design Mix Using 20mm nominal size graded crushed coarse aggregates. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	1.40
49	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits with Chlorpyriphos 20% E.C. / Lindane 20% E.C. @ 3.19 l/m2 including cost of chemical, diluting in water to one percent concentration, labour, usage charges of machinery, complete as per specifications with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	996.64
50	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire /	Tonne	29.26

	soft annealed steel wire and other ancilary operations complete as per drawing and technical specification. a). Buildings with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
51	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand). with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	80.87
52	Providing Flush/ Ruled pointing on stone slab ceiling with cement mor tar1:2 (1 cement : 2 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	73.23
53	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	198.93
54	Filling approved earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	74.75
55	Providing and laying in position cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:2:4 Using 20mm nominal size graded crushed coarse aggregates with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	26.14
56	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	850.41
57	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	92.99
58	Providing and fixing suitable plaster mesh 100mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120g/m2 width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment. Plaster mesh 100mm wide with all lead and lift complete as per specifications as per the directions of the Engineer	Mtr	420.00

	incharge of the work.		
60	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	635.54
61	Providing 20 mm cement plaster of mix :1:6 (1 cement: 6 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	2116.88
62	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	0.83
63	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures). with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	28.35
64	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibres (wood powder/rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 10 g) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 850 kg/m3, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2 , modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-InCharge. (Fixtures shall be paid for separately). with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	87.00
65	Providing & fixing of 2-track x 2-panel sliding windows made out of multi chambered UPVC (Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 50mm width x 42mmheight with reinforcement of 1mm thickness and Sash with overall size of 31mm X 57mm with Gi reinforcement of 1mm for the frame and 1.5 mm for the sash. Coextruded Glazing bead for fixing of glass shall be of size 21.5mm x 9.5 mm. Windows shall be provided with 5mm plain float glass, standard hardware& single point locking system with touch lock. Wall thickness of frame & sash shall be of 1.8+-0.2 mm. Maximum possible size – 1519mm x 1519mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made. with all lead and lift complete as per	Sqm	50.40

	specifications as per the directions of the Engineer incharge of the work.		
66	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm.(The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	5.76
67	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Nos	13.00
68	Fixing of window frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Nos	37.00
69	Providing and fixing M.S. grills of required pattern in frames of win dows etc.with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Kgs	1662.03
70	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	5.04
71	Providing and laying vitrified floor tiles with thickness 9-10 mm in different sizes with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600mm. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	112.79
72	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing,	Sqm	407.96

	curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.** Polished Granite stone slab Black, Cat Eye, River Pink or equivalent. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
73	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints fin ished with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per specifications with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	73.71
74	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	187.95
75	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	34.74
76	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as perdirections of Engineer in charge. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	1499.83
77	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	1499.83
78	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m^2 over and including priming coat of exterior primer applied @ 2.20 kg/10 m^2) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	862.74
79	Applying priming coat: With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	194.22
80	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt,	Sqm	194.22

	dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-chargewith all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
81	Providing and laying 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per direction of Engineer incharge. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	186.81
82	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall. 20mm nominal dia pipes with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	150.00
83	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall. 25mm nominal dia pipes with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	150.00
84	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall. 32mm nominal dia pipes with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	80.00
85	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall. 40mm nominal dia pipes with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	40.00
86	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall. 50mm nominal dia pipes with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	20.00
87	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing.	Mtr	40.00

	This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 20mm nominal dia pipes. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
88	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 25mm nominal dia pipes. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	50.00
89	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes 75 mm diameter with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	60.00
90	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes 100 mm diameter. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	126.00
91	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes of 150mm dia conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	50.00
92	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design: Inside dimensions 455x610 mm and 45 cm deep for single pipe line : With common burnt clay (non modular) bricks of class designation with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	8.00
93	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 500X700 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as	Each	4.00

	per standard design: Inside dimensions 500x700 mm and 45 cm deep for pipe line with one or two inlets :With common burnt clay (non modular) bricks of class designation 3.5. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
94	Providing and placing on terrace(at all floor levels) polyethylene water storage tank IS:12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and over flow pipes but without fittings and the base support for tank with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	L	6000.00
95	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. White Vitreous china Orissa pattern W.C.pan of size 580x440 with integral type footrests with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	9.00
96	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	6.00
97	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :One urinal basin with 5 litre white P.V.C automatic flushing cistern with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	13.00
98	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous Chinal Wash basin size 550x400 mm with a pair of 15mm C.P.brass pillar taps. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	9.00
99	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape453x357mm with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	9.00
100	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 g with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Nos	9.00
101	15mm nominal bore with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Nos	40.00
102	20mm nominal bore with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Nos	20.00
103	Providing and fixing C.P.brass bib cock of approved quality conforming	Nos	60.00

	with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
104	Providing and fixing C.P.brass stop cock (concealed) of standard design and of approved quality make conforming with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Nos	50.00
105	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Kg	432.00
106	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	874.00
107	CONCEALED CONDUIT SYSTEM: Supplying heavy gauge PVC conduit pipe ..... dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws-20mm dia 2mm thick with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.-	Mtr	575.00
108	CONCEALED CONDUIT SYSTEM: Supplying heavy gauge PVC conduit pipe ..... dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws-25mm dia 2mm thick with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.-	Mtr	295.00
109	Supplying and fixing sheet Metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved make etc-1.4.1-75x75x65mm with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	100.00
110	Supplying and fixing sheet Metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved make etc1.4.3-135x75x65mm with all lead and lift	Each	80.00

	complete as per specifications as per the directions of the Engineer incharge of the work.		
111	Supplying and fixing PVC/metal conduit Deep junction box-1.5.1-19/20mm deep junction box with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	30.00
112	Supplying and fixing PVC/metal conduit Deep junction box1.5.2-25mm deep junction box with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	30.00
113	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete-1.7.1-upto 50mm conduit in brick wall with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	260.00
114	Supplying And Fixing "S" Hook made out of 14 mm dia M.S. Rod. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	10.00
115	Suplplying and fixing Metal fan box with round hook. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	14.00
116	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6A flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet Short point upto 3Mtrs from tapping point to out let via switch with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Point	50.00
117	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6A flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet Medium point above 3Mtrs upto 6Mtr from Tapping point to out let via switch with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Point	48.00
118	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments -1.5 sqmm with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	6050.00
119	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments -2.5 Sqmm with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	4500.00
120	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments -4.0 sqmm with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	2850.00
121	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V	Mtr	1290.00

	grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments -6.0 sqmm with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
122	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box -1 to 3 module. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	65.00
123	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box -4 module. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	40.00
124	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box -6 module. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	33.00
125	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box -8 module. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	26.00
126	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box -10-12 module. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	27.00
127	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898-6-32 Amps SP with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	6.00
128	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898-40 Amps SP with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	5.00
129	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898-6-32 Amps DP with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	6.00
130	Supplying and fixing Moulded Case Circuit Breaker (MCCB)over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit in Therma lMagnetic Release. Micro processor release shall have Earth Fault as per IS-13947. (Icu=100% lcs). In 4P MCCB, all Poles should have protection for Short-Cicrcuit/Over Load. For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any	Mtr	3.00

	accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism.Three Pole with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
131	Chemical earthing for grounding. Conduits @ cutouts other equipments backfill compound which is non-corrosive, thermally conductive, potential to permissible limits, superor Fault conduction capacity, non toxic, weather resistance & capable of achiveing ohmic value less than one I ohm Using 6ft. Copper bonded rod with backfill compound with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	6.00
132	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS 8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100V as per IS- 694:2010 4C x 6 mm2 with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Mtr	100.00
133	Supplying and Fixing.....mm dia class A GI pipe bracket upto 2.7 meters long terminated with a reducing collar of 40x25mm to which extra pipe of 175mm length is fixed for fixing MV/SV/MH/FTL street light fitting of all capacities on rail/RCC/wall/tubular pole, using suitable clA, bolts, nuts and wiring using suitable capacity wires Using 40mm dia G.I.Pipe with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	30.00
134	Supplying and fixing regular MCB distribution boards on wall/wood board / flush mounting using required clA, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting Made out of 14 SWG MS enclosure with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	3.00
135	Supplying of .....feet -PVC Batten with integrated LED tube .... W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V@ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition LED light fitting 1 x 4' - 20/22 W with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	30.00
136	Supplying & fixing of retrofit type - LED bulb ..... W with OPAL acrylic diffuser comprising of LED source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per W, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp Wage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 V. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.12W, 6500K with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	45.00
137	Fixing all types and all capacities of fluorescent /false ceiling / spot light / CFL / LED fittings indoor on the wall/ ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps On wall/ ceiling / Rafter / Girders. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	75.00

138	Supplying capacitor type ceiling fan complete with down rod blades,shackle, canopies etc, for operation on 230 V, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearingsystem. 48" Sweep (1200 mm) Regular model. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	28.00
139	Fixing a ceiling /wall mounting fan of all capacities and all types, with necessary clamps and 'S' hook made out of 15mm dia MS rod, with 5 A. ceiling rose of approved quality with necessary length of 23/0.0076 inch PVC insulated twin twisted wire of approved quality, mounted on a suitable size wooden board and wired with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	28.00
140	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete.12" Sweep (300 mm) with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	5.00
141	Fixing one exhaust fan in the nitch already left in the wall with bolts and nuts and 5 A. ceiling rose with sufficient length of 23/0.0076 inch PVC insulated twin core wire with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Each	5.00
142	Design,supplying,erecting testing and commissioning of-Passenger/Bed-cum passenger hospital lift with speed of 1mtr per second,variable voltage variable frequency drive,with or without machine room for the available well size, operating at 415V3phase 50cycles AC supply,powder coated / StainlessSteel carentrancedoorsenclosureswithsuitablecolourvinyl ..Etc	Each	2.00
143	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 Using 40 mm nominal size graded crushed coarse aggregates with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	73.94
144	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:2:4 Using 20 mm nominal size graded crushed coarse aggregates with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	105.84
145	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	8.75
146	Providing and laying in position Cement Concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as	Cum	4.40

	per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
147	Providing and laying in Cement Concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	6.97
148	Providing and laying in Cement Concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Cum	3.02
149	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification. Buildings with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Tonne	1.80
150	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	56.21
151	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	547.20
152	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	734.85
153	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement : 3	Sqm	371.87

	coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
154	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and in cluding water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	8322.45
155	Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m^2) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	371.87
156	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90L/10 m^2 over an under coat of primer applied @ 0.80 L/10 m^2 of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	15.12
157	Painting wood work with Deluxe Multi Surface Paint of required shade. Two coat applied @ 0.90L/10 m^2 over an under coat of primer applied @0.75 L/10 m^2 of approved brand and manufacture to give an even shade including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, sand papering and knotting , cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	237.39
158	Providing& fixing of Openable door made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPV(Thermo Plastic Vulcanized) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the openable frame. The frame having overall size of 60mm x 55mm with GI reinforcement of 1mm thickness and openable sash with overall size of 60mm x 102mm and GI reinforcement of 2mm thickness. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 34 mm. Windows shall be provided with 6mm plain float glass, Standard hardware with 2D/3D hinge & Multi point locking system with Handle. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 900mm x 2400mm. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	1.44
159	Providing and fixing factory made 18 mm thick single extruded WPC (Wood Polymer Composite) solid plain white colour board Jali, CNC (Computer Numeric Control) routed of approved design by Engineer-incharge which are machine cut for duct/shaft covering, partitions and facades comprising of virgin Polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 g) having minimum density of 650 kg/m3 and screw withdrawal strength of 1800 N (Face) minimum compressive strength 50 N/mm2 , modulus of elasticity	Sqm	82.32

	850 N/mm2 and resistance to spread of flame of Class A category with properties of being termite/borer proof, water/moisture proof and fire retardant and fixing as per requirement at site with necessary stainless steel fasteners and SS screws etc., all complete with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.		
160	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Kg	2063.16
161	Tiles for flooring of 600 x 600mm kajaria for floor and wall cladding Tiles of 1200x600mm,cost for material of tiles, laying materials, and all labou works such as cutting and laying of floor. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sft	5791.94
162	Providing & fixing of 2-track x 2-panel sliding windows made out of multi chambered UPVC (Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 50mm width x 42mmheight with reinforcement of 1mm thickness and Sash with overall size of 31mm X 57mm with Gi reinforcement of 1mm for the frame and 1.5 mm for the sash. Coextruded Glazing bead for fixing of glass shall be of size 21.5mm x 9.5 mm. Windows shall be provided with 5mm plain float glass, standard hardware& single point locking system with touch lock. Wall thickness of frame & sash shall be of 1.8+-0.2 mm. Maximum possible size – 1519mm x 1519mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	30.71
163	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cat Eye, River Pink or Equivalent. with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Sqm	443.36
164	Supply and installation of premium quality 15 Passenger lift-1.00 mps complete with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Nos	2.00
165	Dismantling weather proof course and removing and conveying the debris to a distance to the appropriate disposal area with all lead and lift complete as per specifications as per the directions of the Engineer	Cum	32.35

	incharge of the work.		
166	Table and Full and Half height storage unit. Ptoviding and fixing storage units and tables madeup of (Commercial) 19mm plywood for structure wirk back will be of 6mm plywood with necessary support and drawers Drawers run by 20" hafele telescopic channel. & 19mm black board for doors Door hang by ss hinges SS Selected handle Exposed surface finished with (1mm thick laminate SF Shade) inner surface finished with liner laminates including cost of material, labour, installation etc., Complete as per specification with all lead and lift complete as per specifications as per the directions of the Engineer incharge of the work.	Nos	81.83

Note:

(a) Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the bill of quantities (refer:ITB clause 11.2 and CC clause 37.2).

(b) Unit rates and Prices shall be quoted by the tender in Indian Rupees.

(c) Where there is a discrepancy between the rate in figures and words, the lower of the two will govern. (ITT Clause 24.1(a))

(d) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern (ITT Clause 24.1(b))

(e) GST shall be paid separately for all items

SECTION 10: FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: ..... *[name of Employer]*
..... *[address of Employer]*

WHEREAS ..... *[name and address of Contractor]* (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. ..... dated : ..... to execute .....*[name of Contract and brief description of Works]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. ..... *[amount of guarantee]* [18]_Rupees..... *[in words]*, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of ..... *[amount of guarantee]*[19] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

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18 An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

19 An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract